

62 APR 201	05
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onal Application"	

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	Name of receiving Off	ice and "PCT Inte	mational Application"	
	Applicant's or agent's file reference (if desired) (12 characters maximum) 348-B0496			
Box No. I TITLE OF INVENTION				
3,5,3'-Triiodothyronine sulfate as thyromimetic a	gent and pharma	ceutical formu	llations thereof	
Box No. II AJ'PLICANT This person	n is also inventor	·		
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	he address indicated in this	Telephone No. 022177267	<b>7</b> 8	
Bracco SpA		Facsimile No. 022177278	35	
Via Egidic Folli, 50 20134 - Milano		Teleprinter No.		
. (		Applicant's regis	stration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:		
		the United States of America only	the States indicated in the Supplemental Box	
Box No. III FURTHER APPLICANT(S) AND/OR (FURTI	HER) INVENTOR(S)			
Name and address: (Family name followed by given name; for a legal entithe address must include postal code and name of country. The country of il Box is the applicant's State (that is, country) of residence if no State of residence Pinchera Aldo Bracco SpA Via Egidio Folli, 50 20134 Milano	he address indicated in this	inventor is marke	t only t and inventor only (If this check-box d, do not fill in below.) tration No. with the Office	
State (that is, country) of nationality:	State (that is, country)	of residence:		
This person is applicant for the purpose's of:  all designated the United States all designated the United States	d States except ates of America	the United States of America only	the States indicated in the Supplemental Box	
Further appolicants and/or (further) inventors are indicated or	n a continuation sheet.			
Box No. IV AGENT OR COMMON REPRESENTATIVE;	OR ADDRESS FOR	CORRESPOND	ENCE	
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	n behalf as:	agent	common representative	
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of co	y, full official designation untry.)	Telephone No. 022177267	8	
Macchetta Francesco Bracco SpA		Facsimile No.	-	
Intellectual Property Department	022177278	<del></del>		
Via Egidio Folli, 50	Teleprinter No.			
20134 Milano	Agent's registration No. with the Office			
Address for correspondence: Mark this check-box where no space above is used instead to indicate a special address to w	no agent or common repr which correspondence st	resentative is/has b	een appointed and the	

If none of the following sub-boxes is used, this sheet should not be included in the request.
Name and address: (Fam. followed by given name: for a legal entity, full official designation. The address must include policy and name of country. The country of the address indicated in this Box is the applicant's State (thank, country) of residence if no State of residence is indicated below.)  SANTINI FERRUCCIO  Bracco SpA  Via Egidio Folli, 50  20134 Milano
Applicant's registration No. with the Office
State (that is, country) of nationality:  State (that is, country) of residence:  IT  State (that is, country) of residence:
This person is applicant for the purposes of:  all designated States except the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality:  State (that is, country) of residence:
This person is applicant for the purposes of:  all designated lesignated States except the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name: for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality:  State (that is, country) of residence:
This person is applicant for the purposes of:  all designated States except the United States of America only the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)  This person is:  applicant only  applicant and inventor  inventor only (If this check-box is marked, do not fill in below.)  Applicant's registration No. with the Office
State (that is, country) of nationality:  State (that is, country) of residence:
This person is applicant for the purposes of:  all designated States except the United States of America only the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated on another continuation sheet.

Form PCT/RO/101 (continuation sheet) (March 2001; reprint July 2003)

The	The following designations are hereby made under Rule 4.9(a):							
Regional Patent								
<b>X</b>	AP	ARIPO Pater H Ghana, GM Gambia, KE Kenya, LS Lesotho, MW i, MZ Mozambique, SD Sudan, SL Sierra Leone, Swaziland, TZ United Republic of Tanzania, UG Uganda, Zh. Jambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, specify on dotted line)						
<b>X</b>	EA	Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT						
	EP	European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention and of the PCT						
		OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)						
Na	tion	al Patent (if other kind of protection or	treat	tment desired, specify on dotted line):	_			
K	AE 1	United Arah Emirates	HR	Croatia	K	OM	(Oman	
	AG .	Antigua and Barbuda	HU	J Hungary	X	PG	Papua New Guinea	
	A T	Albania K	ID	Indonesia	X	PH	Philippines	
	A M	Armenia X	l IL	Israel	M	PL	Poland	
	AT.	Austria	l IN	India	M	PT	Portugal	
Ø	AU.	Australia	IS	Iceland	X	RO	Romania	
Ø	AZ .	Azerbaijan	JP	Japan	<b>X</b> I	RU	Russian Federation	
-		Bosnia and Herzegovina				60	Saychelles	
Ň	BB .	Barbados	KG				Seychelles Sudan	
		Bulgaria K	KP	Democratic People's Republic			Sudan Sweden	
M	BR	Brazil		of Korea	<b>5</b> 7	SE SE	Singapore	
X	BY.	Belarus	KR	Kepuolic of Korea	<b>[2]</b>	SE	Slovakia	
•		I		Z Kazakhstan	$\mathbf{a}$	SI	Sierra Leone	
K	CA	Canada & LI Switzerland and Liechtenstein		, built built	•		Syrian Arab Republic	
	CH	& LI Switzerland and Liechtenstein   China	, LK   ID		$\widetilde{\mathbf{x}}$	T.I	Tajikistan	
K	CN	China	LK	Lesotho	$\overline{\mathbf{x}}$	TM	Turkmenistan	
	CD	Costa Rica	, 23 ] j.T	Lithuania	X	TN	Tunisia	
	CH	Cuba	LU				Turkey	
R	CZ.	Czech Republic	LV	/ Latvia	X		Trinidad and Tobago	
	DΕ	Germany	MA	A Morocco	_			
ã	DK	Denmark	MI	D Republic of Moldova	K	TZ	United Republic of Tanzania	
	DM	Dominica			K	UA	Ukraine	
	<b>n</b> 7.	Algeria 🔀	MC	G Madagascar	Ň	UG	Uganda	
	EC	Ecuador	M	K The former Yugoslav Republic of	X	US	United States of America	
	EE	Estonia		Macedonia				
Ø	ES	Spain	M	N Mongolia	K	UZ	Uzbekistan	
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_		C		X Mexico				
M	GD	Grenada X	J M2	Z Mozambique			Serbia and Montenegro	
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•		Ghana	J INC I NITE	Norway New Zealand	-			
•		· ·						
CI:	ieck-t	ooxes below reserved for designating St	ates v	which have become party to the PCT a	fter	issu	nance of this sheet:	
<u>_</u>								
Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the								
ш.	any designation which is not continued before the expiration of 13 months from the property date is 600 to the property date is 600 to the property date in the 15 months from the 15 mo							

applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.) Form PCT/RO/101 (second sheet) (July 2003)

The priority of the following	earlier application(s) is here	eby claimed:		
Filing date	Filing date Number Where ea plication is:			
of earlier application (day/month/year)	of earlier application	national application: country or Member of WTO	regional application:* regional Office	international application: receiving Office
item (1) 13 November 2002 (13.11.2002)	MI2002A002394	IT		
item (2)				
item (3)				
item (4)				
item (5)				
Further priority claims	are indicated in the Suppler	nental Box.		
if the earlier application was	uested to prepare and transm s filed with the Office which fo	it to the International Bure or the purposes of this inter	eau a certified copy of the national application is the	earlier application(s) (only receiving Office) identified
above as:  all items item	· · · —		m (4) item (5)	other, see Supplemental Box
Industrial Property or one I	tion is an ARIPO application, Member of the World Trade (	Organization for which the	try party to the Paris Conv nt earlier application was f	vention for the Protection of filed (Rule 4.10(b)(ii)):
Box No. VII INTERNA	TIONAL SEARCHING A	UTHORITY		
Choice of International S international search, indica	earching Authority (ISA) ( te the Authority chosen; the t	if two or more Internationa wo-letter code may be used	ıl Searching Authorities ar l):	e competent to carry out the
	earlier search; reference to	o that search (if an earlier	r search has been carried o	out by or requested from the
International Searching Au Date (day/month/year)	thority):		ountry (or regional Office)	
Box No. VIII DECLARA	ATIONS			
The following declaration check-boxes below and indi	s are contained in Boxes No	os. VIII (i) to (v) (mark th number of each type of deci	e applicable laration):	Number of declarations
Box No. VIII (i)	Declaration as to the idea			;
Box No. VIII (ii)	Declaration as to the app date, to apply for and be	plicant's entitlement, as at granted a patent	the international filing	: 1
Box No. VIII (iii)  Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application				
Box No. VIII (iv)	Declaration of inventors United States of Americ		s of the designation of the	. 1
Box No. VIII (v)	Declaration as to non-pa	rejudicial disclosures or ex	xceptions to lack of novel	ty :

Form PCT/RO/101 (third sheet) (July 2002; reprint July 2003)

The declaration must conform to the standardized wording provided for in Section 212; see Notes to Boxes Nos. VIII, VIII (1) to (v) (in general) and the specific Notes to Box No. VIII (ii). If this Box is not used, this sheet should not be included in the request.
Declaration as to the appliance entitlement, as at the international filing date, to apply for and 51bis. 1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate:
in relation to this international application:
Bracco SpA is entitled to apply for and be granted a patent by virtue of the following:
an assignment from
Pinchera, Aldo, via Egidio Folli, 50, 20134, Milano, IT Santini, Ferruccio, via Egidio Folli, 50, 20134, Milano, IT
to Bracco SpA, dated
This declaration is made for the purpose of all designations, except the designation of the United States of America
This declaration is continued on the following sheet, "Continuation of Box No. VIII (ii)".

Form PCT/RO/101 (declaration sheet (ii)) (March 2001; reprint July 2003)

te declaration must conform to the standardized wording provided for in Section 213; see Notes to Boxes Nos. VIII, VIII (i) to (v) (in general) d the specific Notes to Box No. VIII (iii). If this Box is not used, this sheet should not be included in the request.					
eclaration as to the application in titlement, as at the international filing date, to claim the proof the earlier application specified low, where the applicant is not the applicant who filed the earlier application or where the applicant's name has changed since the ing of the earlier application (Rules 4.17(iii) and 51bis.1(a)(iii)):					
in relation to this international application:					
Pinchera, Aldo and Santini, Ferruccio, are entitled to claim priority of earlier application					
No. MI2002A002394					
by virtue of the following:					
the applicants are the inventors of the subject matter for which protection was sought by way of the earlier application.					
This declaration is made for the purpose of					
a) all designations b) the following designations for the national and/or regional patents: US.					
This declaration is continued on the following sheet, "Continuation of Box No. VIII (iii)".					

Form PCT/RO/101 (declaration sheet (iii)) (March 2001; reprint July 2003)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (1) 10 (1) (in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1)	:a:
r the purposes of the designation of the United States of Ameri	:и:

for the purposes of the designation of	the United States of America:				
hereby declare that I believe I am the original, first and sole (if only or	ne inventor is listed below) or joint (if more than one inventor				
listed below) inventor of the subject matter which is claimed and for which a patent is sought.					
This declaration is directed to the international application of which it	forms a part (if filing declaration with application).				
This declaration is directed to international application No. PCT/ o Rule 26ter).					
hereby declare that my residence, mailing address, and citizenship at	re as stated next to my name.				
hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims fsaid application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application," by application number, country or Member of the World Trade of I have identified below, under the heading "Prior Application of I have identified below, under the heading "Prior Application of I have identified below, under the heading "Prior Application of I have identified below, under the heading "Prior Application of I have identified below, under the heading "Prior Application of I have identified below, under the heading "Pr					
Prior Applications:					
I hereby acknowledge the duty to disclose information that is kn 37 C.F.R. § 1.56, including for continuation-in-part applications, mater of the prior application and the PCT international filing date of the co	ontinuation-in-part application.				
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
Name: Pinchera Aldo					
Residence: IT (city and either US state, if applicable, or country)					
Mailing Address: Via Egidio Folli, 50					
20134 - Milano					
Citizenship: Italian					
Inventor's Signature:  (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be: that of the inventor, not that of the agent)	Date:				
Name:					
Name:					
Residence: IT (city and either US state, if applicable, or country)	i				
Mailing Address.					
20134 - Milano					
Citizenship: Italian					
Inventor's Signature:  (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent)	Date:				
The fill with the fill with the file with th	ion of Roy No. VIII (iv)"				
This declaration is continued on the following sheet, "Continuat	IUII OI DOX INO. VIII (IV) .				

Form PCT/RO/101 (declaration sheet (iv)) (March 2001; reprint July 2003)

This international application contains:	This international application is accompanied by the following	Number   of items			
(a) in paper form, the following number of	right column the number of each item):	J			
sheets:	fee calculation sheet	:			
request (including declaration sheets)	2. original separate power of attorney				
description (excluding	3.  original general power of attorney	:			
sequence listings and/or tables related thereto)	4. copy of general power of attorney; reference number, if any:				
claims : 2	5. statement explaining lack of signature	:			
abstract 1	Comment(s) identified in Box No. VI as				
drawings	item(s):				
Sub-total number of sheets : 11 sequence listings :	7. translation of international application into (language):	:			
tables related thereto (for both, actual number of	8. separate indications concerning deposited microorganis or other biological material	:			
sheets if filed in paper form, whether or not also filed in	<ol> <li>sequence listings in computer readable form (indicate type and number of carriers)</li> </ol>				
computer readable form; see (c) below)	(i) copy submitted for the purposes of international sear Rule 13ter only (and not as part of the international a	ippiication).			
Total number of sheets : 11  (b) □ only in computer readable form	(ii) (only where check-box (b)(i) or (c)(i) is marked in left of additional copies including, where applicable, the co- purposes of international search under Rule 13ter	olumn) l			
(Section 801(a)(i))  (i) sequence listings	(iii) together with relevant statement as to the identity of copies with the sequence listings mentioned in left c	the copy or olumn			
(ii) \( \square\) tables related thereto (c) \( \square\) also in computer readable form	10. tables in computer readable form related to sequence lis (indicate type and number of carriers)	tings			
(Section 801(a)(ii))  (i) sequence listings	(i) copy submitted for the purposes of international sea Section 802(b-quater) only (and not as part of the ir	rch under iternational			
(ii) tables related thereto	application)  application $(a,b) = (a,b) = (a$	i column)			
contained the	D-ROM, CD-R or other) on which are ontained the additional copies including, where applicable, the copy of international search under Section 802(b-ontained the				
sequence listings:	copies with the tables mentioned in left column	·			
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11.  other (specify):				
Figure of the drawings which should accompany the abstract:	Language of filing of the international application:				
	NT, AGENT OR COMMON REPRESENTATIVE graing and the capacity in which the person signs (if such capacity is not obvious	from reading the request).			
	Pinchera Aldo :				
Macchetta Francesco	Filiciteta Aido .				
Bracco SpA  IP Director	Santini Ferruccio:				
IF Director					
	For receiving Office use only				
. D. C. L. L. Sala Sala mimortad	For receiving Office use only	2. Drawings:			
<ol> <li>Date of actual receipt of the purported international application:</li> </ol>		received:			
2. Corrected date of actual receipt due to late:	2. Corrected date of actual receipt due to later but				
timely received papers or drawings completine purported international application:	timely received naners or drawings completing				
Date of timely receipt of the required corrections under PCT Article 11(2):	4. Date of timely receipt of the required				
5. International Searching Authority (if two or more are competent): ISA /  6. Transmittal of search copy delayed until search fee is paid					
	For International Bureau use only				
	•				
Date of receipt of the record copy by the International Bureau:					

Form PCT/RO/101 (last sheet) (January 2003; reprint July 2003)